PTO/SB/08b (06-03)
Approved for use through 06/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/076,708
Filing Date	February 15, 2002
First Named Inventor	Satish K. Sharma
Art Unit	1646
Examiner Name	Chernyshev, Olga N
Attorney Docket Number	6322.N

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	1	GOETZ, J ET AL: "Formation of neurofibrillary tangles in P301L tau transgenic mice induced by Abeta42 fibrilis" Science, American Association for the Advancement of Science, US, vol. 293, no. 5534, pages 1491-1495, 2001.	
	2	GOURAS GUNNAR K ET AL: "Intraneuronal Abeta 42 accumulation in human brain" American Journal of Pathology, vol. 156, no. 1, pages 15-20, January 2000.	
	3	HARDY JOHN ET AL: "Genetic dissection of Alzheimer's disease and related demetias: Amyloid and its relationship to tau" Nature Neuroscience, vol. 1, no. 5, pages 355-358, 1998.	
	4	LEWIS J ET AL: "Enhanced neurofibrillary degeneration in transgenic mice expressin mutant tau and APP" Science, American Association for the Advancement of Science, vol. 293, no. 5534, pages 1487-1491, 2001.	
	5	RANK KB ET AL: "Direct interaction of soluble human recombinant tau protein with Abeta 1-42 results in tau aggregation and hperphosphorylation by tau protein kinase II" Febs Letters, Elsevier Science Publishers, Amsterdam, NL, vol. 514, no. 2-3, pages 263-268, 2002.	
	6	TAKASHIMA A ET AL: "Amyloid beta peptide (25-35) induces tau phosphorylation and decrease microtubule-forming ability in rat hippocampal culture" Abstracts of the Society for Neuroscience, Society for Neuroscience, WA, DC US, vo. 21, no. 1-3, page 1719, 1995.	
	7	TOMIDOKORO YASUSHI ET AL: "Abeta amyloidosis induces the initial stage of tau accumulation in APPSW mice" Neuroscience Letters, vol. 299, no. 3, pages 169-172, 2001.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

f. info disc

LIST OF REFERENCES CITED BY APPLICANT *(Use several sheets if necessary)*	Atty. Docket No. 6322.N	Serial No. 10/076,708
	Applicant SK Sharma, KB Rank	
	Filing Date 02/15/2002	Group 1641

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							
	AL							
	AM							
	AN							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Bancher, C. et al., "Accumulation of abnormally phosphorylated τ precedes the formation of neurofibrillary tangles in Alzheimer's disease," Brain Research 477(1-2):90-99 [1989];
	AP	Bondareff, W. et al., "Molecular analysis of neurofibrillary degeneration in Alzheimer's Disease," American J. of Pathology 137(3):711-23 [1990];
	AQ	Caceres, A. et al., "Inhibition of neurite polarity by tau antisense oligonucleotides in primary cerebellar neurons," Nature 343(6257):461-63 [1990];
	AR	Drubin, D.G. et al., "Tau protein function in living cells," J. Cell Biology 103(6 PT 2):2739-46 [1986];
	AS	Evans, D.B. et al., "Tau phosphorylation at Serine 396 and Serine 404 by human recombinant Tau protein kinase II inhibits Tau's ability to promote microtubule assembly," J. Biological Chemistry 275(32):24977-983 [2000];
	AT	Glenner, G.G. et al., "Alzheimer's Disease: Initial report of the purification and characterization of a novel cerebrovascular amyloid protein," Biochemical and Biophysical Research Communications 120(3):885-90

LIST OF REFERENCES CITED BY APPLICANT *(Use several sheets if necessary)*	Atty. Docket No. 6322.N	Serial No. 10/076,708
	Applicant SK Sharma, KB Rank	
	Filing Date 02/15/2002	Group

		[1984];
	AV	Goedert, M. et al., "Cloning and sequencing of the cDNA encoding a core protein of the paired helical filament of Alzheimer disease: Identification as the microtubule-associated protein tau," PNAS 85:4051-55 [1988];
	AW	Goedert, M. et al., "Multiple isoforms of human microtubule-associated protein tau: Sequences and localization in neurofibrillary tangles of Alzheimer's Disease," Neuron 3(4):519-26 [1989];
	AX	Goedert, M. et al., "Expression of separate isoforms of human tau protein: correlation with the tau pattern in brain and effects on tubulin polymerization," The EMBO Journal 9(13): 4225-30 [1990];
	AY	Goedert, Michael, "Tau protein and the neurofibrillary pathology of Alzheimer's Disease," Trends in Neuroscience 16(11):460-65 [1993];
	AZ	Greenberg, S.G., et al., "A preparation of Alzheimer paired helical filaments that displays distinct τ proteins by polyacrylamide gel electrophoresis," PNAS 87(15):5827-31 [1990];
	BO	Himmler, Adolf, "Structure of the bovine tau gene: Alternatively spliced transcripts generate a protein family," Molecular and Cellular Biology 9(4):1389-96 [1989];
	BP	Horio, T. et al., "Visualization of the dynamic instability of individual microtubules by dark-field microscopy," Nature 321(6070):605-7 [1986];
	BQ	Kosik, K.S., "Tau protein and Alzheimer's disease," Current Opinion in Cell Biology 2(1):101-4 [1990];
	BR	Kosik, K.S., "Alzheimer plaques and tangles: advances on both fronts," TINS 14(6):218-19 [1991];
	BS	Kosik, K.S. et al., "Microtubule-associated protein tau (τ) is a major antigenic component of paired helical filaments in Alzheimer disease," PNAS 83(11):4044-48 [1986];
	BT	Ksiezak-Reding et al., "Structural stability of paired helical filaments requires microtubule-binding domains of tau: A model for self-association," Neuron 6(5):717-28 [1991];
	BU	Lee, G. et al., "The primary structure and heterogeneity of tau protein from mouse brain," Science 239(4837):285-88 [1988];
	BV	Lee, V.M.-Y., et al., "A68: A major subunit of paired helical filaments and derivatized forms of normal tau," Science 251(4994):675-78 [1991];
	BW	Lee, V.M.-Y., et al., "The disordered neuronal cytoskeleton in Alzheimer's disease," Current Opinion in Neurobiology 2(5):653-56 [1992];
	BX	Mailliot, C. et al., "Phosphorylation of specific sets of tau isoforms reflects different neurofibrillary degeneration processes," FEBS Letters 433(3):201-04 [1998];
	BY	Spillantini, M.G. et al., "Tau protein pathology in neurodegenerative diseases," Trends in Neuroscience 21(10):428-33 [1998];
	BZ	Weingarten, M.D. et al., "A protein factor essential for microtubule assembly," PNAS 72(5):1858-62 [1975].
	CO	
	CP	

Examiner	Date Considered

Form 1449
1/92-ka